

Title (en)
AMINE DERIVATIVES

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Application
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• GB 8500927 A 19850115

Abstract (en)
[origin: EP0188361A1] The invention provides compounds of the general formula (3) and physiologically acceptable acid addition salts, metabolically labile esters and solvates thereof in which $R^{(1)}$ represents a halogen atom or a methyl, ethyl, n-propyl or n-butyl group; $R^{(2)}$, $R^{(3)}$, $R^{(4)}$ and $R^{(5)}$ represent hydrogen atoms or one or two of $R^{(2)}$, $R^{(3)}$, $R^{(4)}$ and $R^{(5)}$ represent a methyl or ethyl group; X represents a C_{4} alkyl or hydroxyl groups; or optionally containing one or two double or triple bonds; or optionally interrupted by an oxygen or sulphur atom, or by a sulphone ($-SO_2-$) or urea ($-NHCONH-$) group; and Y represents a phenyl ring optionally carrying one to three substituents selected from hydroxyl, C_{4} alkyl, C_{1-4} alkoxy, amino, carboxamido, C_{1-4} alkylsulphonyl-amino and nitro groups and halogen atoms with the proviso that when X is a C_{4} alkylene chain optionally containing one double bond then Y cannot represent phenyl or phenyl carrying one substituent which is halogen. The compounds according to the invention decrease total peripheral vascular resistance, increase cardiac output and produce a fall in blood pressure. They may be used in the treatment or prophylaxis of renal insufficiency and cardiovascular disorders such as hypertension, ischaemic heart disease or heart failure, for example acute or congestive heart failure.

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Citation (examination)
• TIPS- October 1985, pages 396-400
• Clin. and Exper. -Theory and Practice, A9(5&6), 853-872 (1987)

Cited by
US6022894A; EP0292202A1; US4939147A; US6818660B2; US6521667B1; US7202261B2; US6432656B1; WO9737967A1; WO8809326A1

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